

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P955209

Luminaire Tested: **GLAN-SB8B-727-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-727-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34231 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

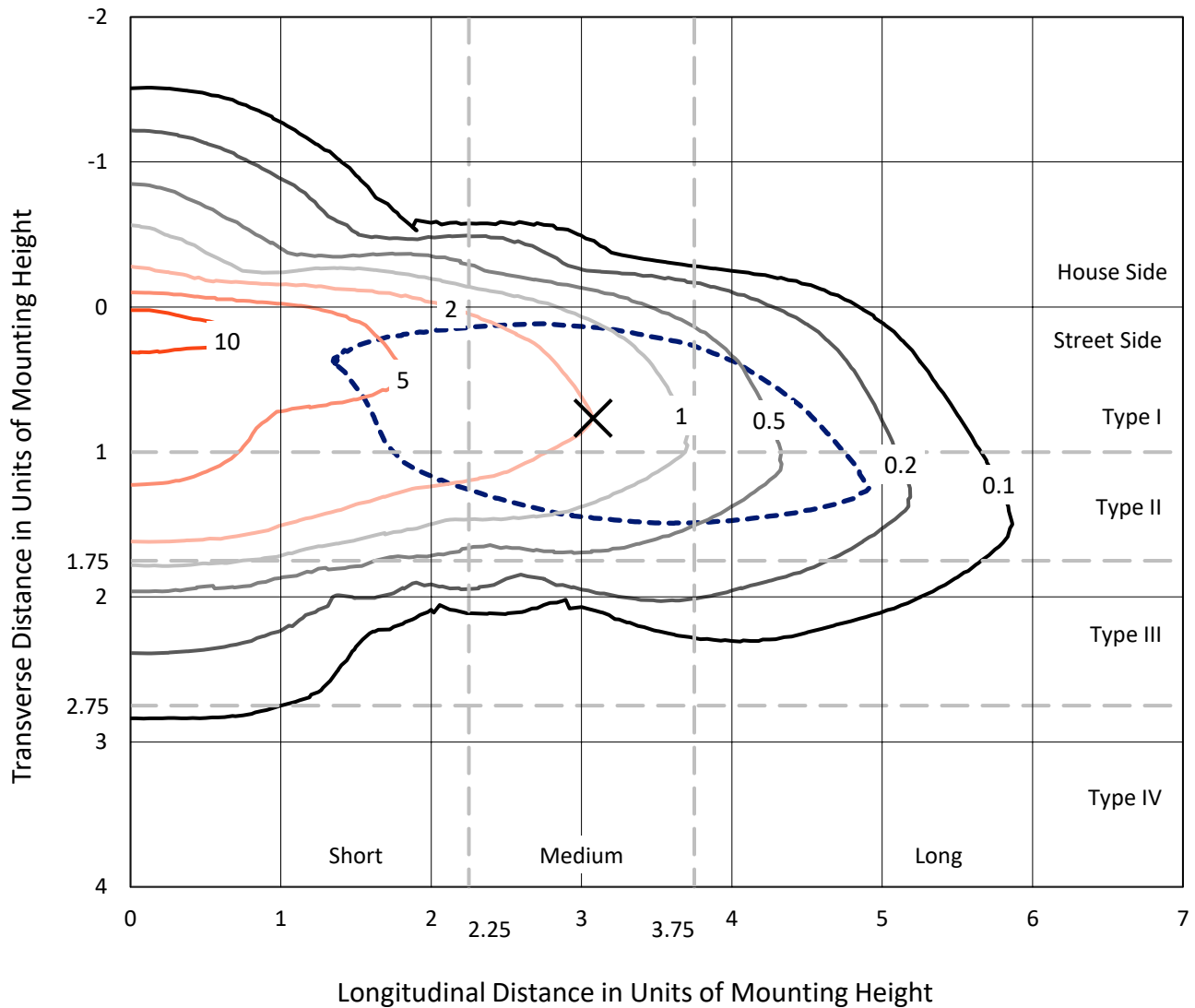


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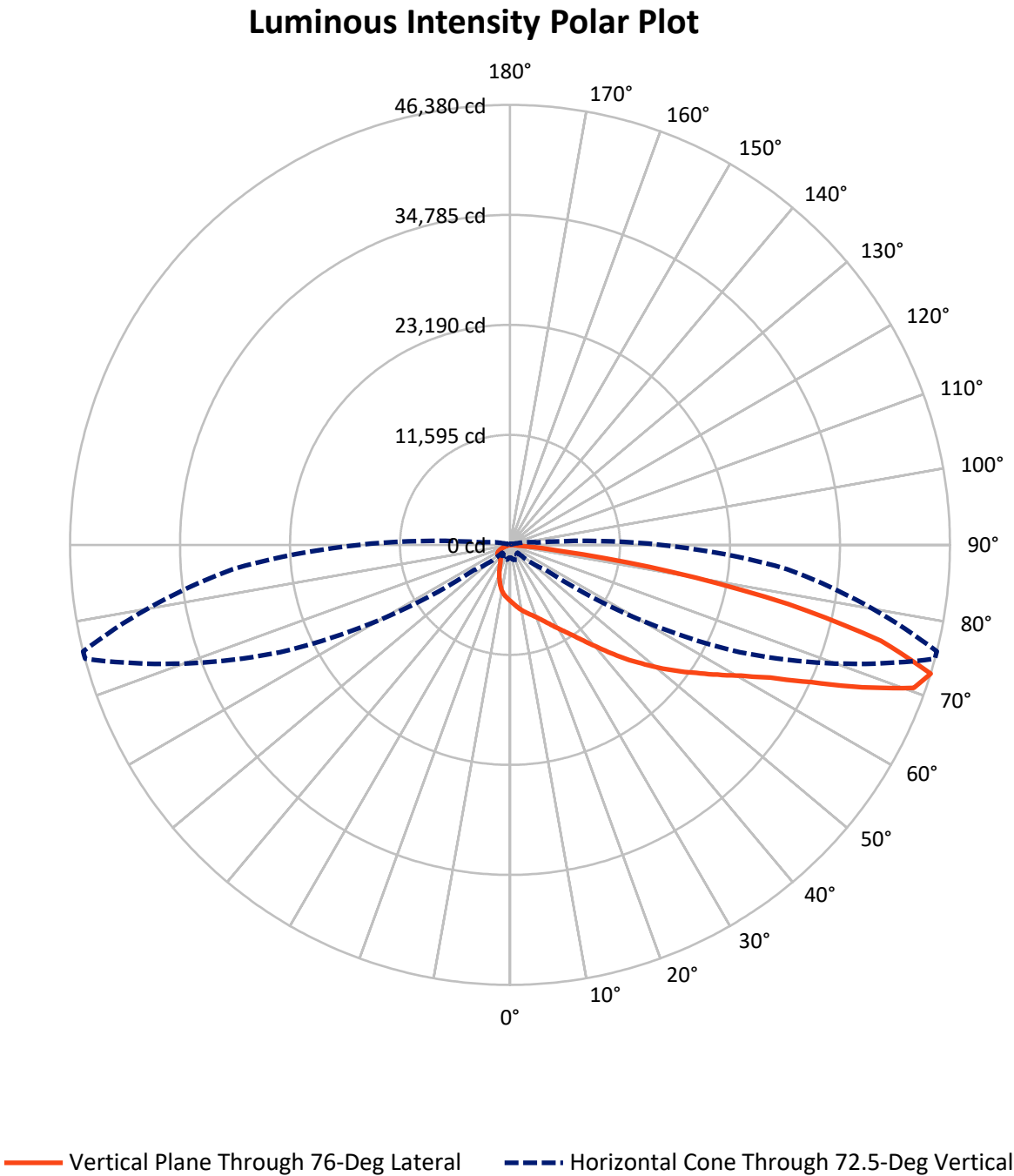
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc  
Type II - Medium - N/A

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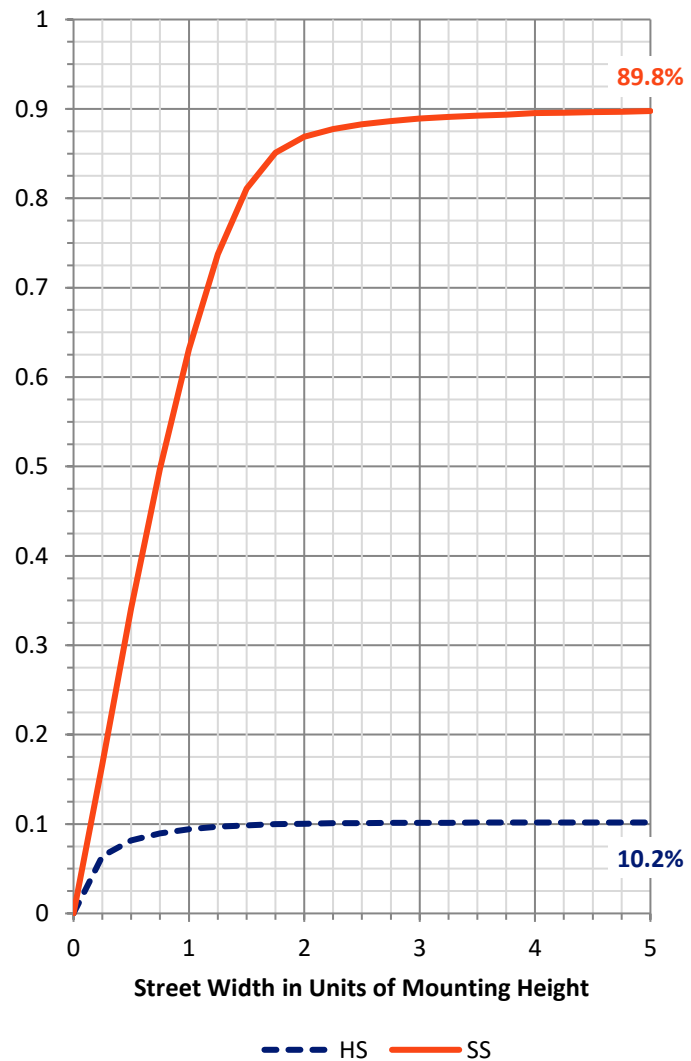
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3503.5   | 0.0    | 3503.5  |
|                    | % Fixture | 10.2     | 0.0    | 10.2    |
| <b>Street Side</b> | Lumens    | 30727.5  | 0.0    | 30727.5 |
|                    | % Fixture | 89.8     | 0.0    | 89.8    |
| <b>Total</b>       | Lumens    | 34231.0  | 0.0    | 34231.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 538.0   | 1.6       |
| 10°-20°   | 1442.6  | 4.2       |
| 20°-30°   | 2283.2  | 6.7       |
| 30°-40°   | 3532.4  | 10.3      |
| 40°-50°   | 5365.1  | 15.7      |
| 50°-60°   | 7396.4  | 21.6      |
| 60°-70°   | 7813.9  | 22.8      |
| 70°-80°   | 5360.5  | 15.7      |
| 80°-90°   | 498.9   | 1.5       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 34231.0 | 100.0     |
| 0°-180°   | 34231.0 | 100.0     |

**Coefficient of Utilization**



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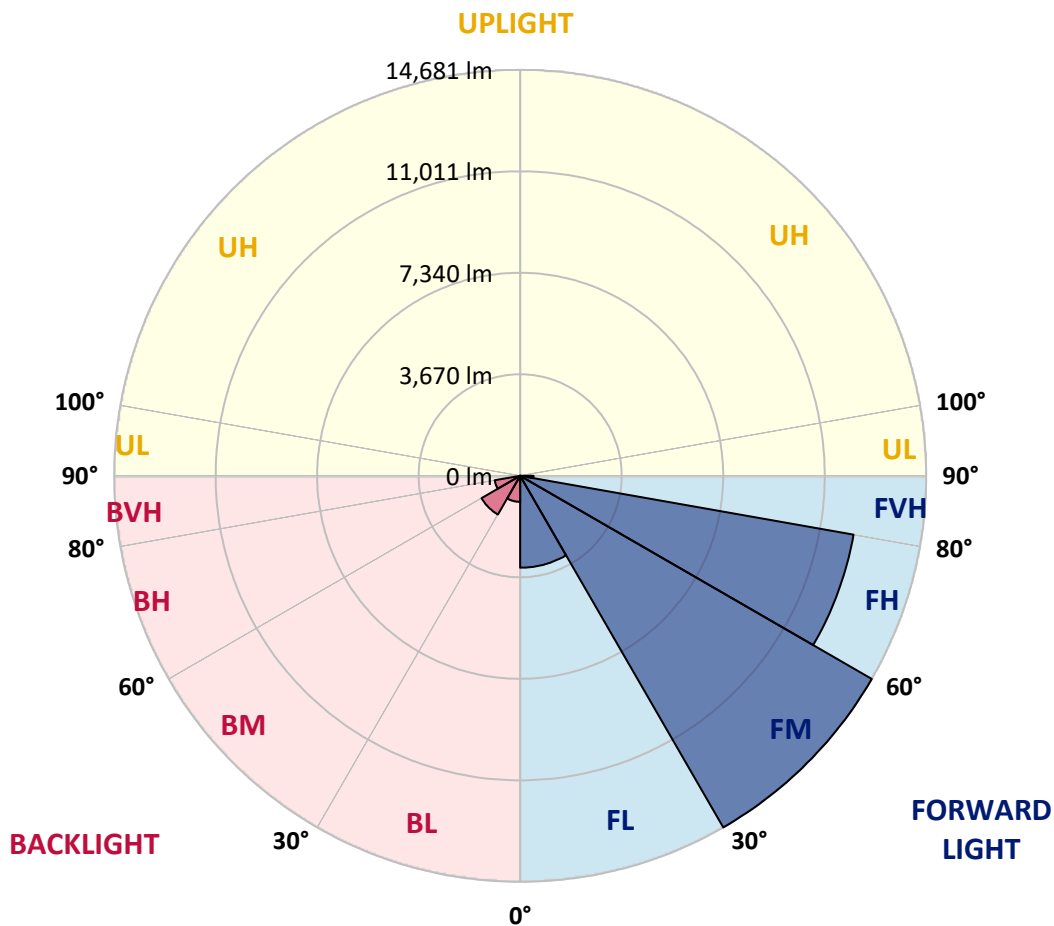
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3322.0  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 14680.9 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 12239.1 | 35.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 485.4   | 1.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 941.7   | 2.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1613.0  | 4.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 935.3   | 2.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 13.5    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5915.4  | 5915.4  | 5915.4  | 5915.4  | 5915.4  | 5915.4  | 5915.4  | 5915.4  | 5915.4  | 5915.4  |
| 2.5°  | 6876.9  | 6785.9  | 6803.6  | 6712.6  | 6670.4  | 6568.2  | 6461.7  | 6321.8  | 6166.3  | 6166.3  |
| 5°    | 7600.8  | 7543.0  | 7543.0  | 7436.5  | 7354.3  | 7194.4  | 7003.5  | 6757.0  | 6463.9  | 6435.0  |
| 7.5°  | 8044.9  | 8009.3  | 8031.6  | 7969.4  | 7902.8  | 7736.2  | 7509.7  | 7187.8  | 6772.5  | 6737.0  |
| 10°   | 8131.5  | 8129.3  | 8191.4  | 8209.2  | 8253.6  | 8169.2  | 7967.2  | 7596.3  | 7076.7  | 7025.7  |
| 12.5° | 7796.2  | 7754.0  | 7907.2  | 8087.1  | 8340.2  | 8453.4  | 8349.1  | 7969.4  | 7354.3  | 7283.2  |
| 15°   | 7245.5  | 7254.4  | 7400.9  | 7678.5  | 8100.4  | 8504.5  | 8640.0  | 8333.5  | 7636.3  | 7551.9  |
| 17.5° | 6930.2  | 6896.9  | 7023.4  | 7272.1  | 7738.4  | 8309.1  | 8775.4  | 8673.3  | 7936.1  | 7840.6  |
| 20°   | 6892.4  | 6890.2  | 6919.1  | 7032.3  | 7387.6  | 8029.3  | 8759.9  | 9004.1  | 8289.1  | 8178.1  |
| 22.5° | 7154.5  | 7150.0  | 7125.6  | 7103.4  | 7201.1  | 7756.2  | 8693.3  | 9319.4  | 8711.0  | 8591.1  |
| 25°   | 7556.4  | 7549.7  | 7512.0  | 7376.5  | 7281.0  | 7609.7  | 8631.1  | 9612.5  | 9210.6  | 9077.4  |
| 27.5° | 8047.1  | 8042.7  | 7973.8  | 7769.5  | 7523.1  | 7623.0  | 8600.0  | 9914.5  | 9788.0  | 9657.0  |
| 30°   | 8648.9  | 8640.0  | 8497.9  | 8209.2  | 7887.2  | 7833.9  | 8642.2  | 10254.3 | 10389.7 | 10289.8 |
| 32.5° | 9403.8  | 9379.4  | 9192.9  | 8757.7  | 8306.9  | 8115.9  | 8722.1  | 10602.9 | 11102.5 | 11009.2 |
| 35°   | 9987.8  | 9950.1  | 9841.3  | 9457.1  | 8793.2  | 8462.3  | 8908.6  | 11015.9 | 11959.6 | 11877.5 |
| 37.5° | 10489.6 | 10451.9 | 10363.1 | 10047.8 | 9490.4  | 8904.2  | 9208.4  | 11566.6 | 12972.2 | 12932.2 |
| 40°   | 11031.4 | 10969.3 | 10927.1 | 10589.6 | 10085.5 | 9541.5  | 9637.0  | 12210.5 | 14137.9 | 14142.4 |
| 42.5° | 11448.9 | 11424.5 | 11428.9 | 11169.1 | 10660.6 | 10296.5 | 10205.4 | 12936.6 | 15534.6 | 15576.8 |
| 45°   | 11806.4 | 11786.4 | 11868.6 | 11686.5 | 11240.2 | 10791.6 | 10871.6 | 13758.2 | 17062.3 | 17148.9 |
| 47.5° | 12081.7 | 12104.0 | 12221.6 | 12104.0 | 11841.9 | 11140.3 | 11462.2 | 14644.2 | 18667.8 | 18678.9 |
| 50°   | 12357.1 | 12366.0 | 12561.4 | 12503.6 | 12397.1 | 11582.1 | 12006.2 | 15634.5 | 20359.8 | 20379.8 |
| 52.5° | 12443.7 | 12430.4 | 12741.2 | 12883.3 | 12887.8 | 12128.4 | 12710.1 | 16713.7 | 22018.5 | 22082.9 |
| 55°   | 11999.6 | 12037.3 | 12539.2 | 13116.5 | 13345.2 | 12883.3 | 13660.5 | 18079.3 | 23786.0 | 23812.7 |
| 57.5° | 9827.9  | 10036.7 | 11146.9 | 12485.9 | 13640.5 | 13964.7 | 15026.1 | 19675.9 | 25826.6 | 25802.2 |
| 60°   | 5964.3  | 6213.0  | 7540.8  | 10471.9 | 12676.8 | 15050.6 | 17037.9 | 22149.5 | 28056.0 | 27987.2 |
| 62.5° | 3335.2  | 3410.7  | 3834.8  | 6268.5  | 9641.4  | 14360.0 | 19003.0 | 25327.0 | 31049.3 | 30816.1 |
| 65°   | 2458.1  | 2482.5  | 2582.4  | 3071.0  | 4738.5  | 11044.8 | 18572.3 | 29126.3 | 35254.9 | 34839.7 |
| 67.5° | 2136.1  | 2160.5  | 2258.2  | 2324.9  | 2116.1  | 5802.2  | 15301.5 | 31233.6 | 40595.2 | 40051.2 |
| 70°   | 1798.6  | 1811.9  | 1969.6  | 2014.0  | 1514.4  | 2207.2  | 9830.2  | 30583.0 | 45538.0 | 45149.4 |
| 72.5° | 1341.2  | 1394.5  | 1623.2  | 1729.8  | 1214.6  | 1172.4  | 4627.5  | 26739.3 | 46375.2 | 46379.6 |
| 75°   | 910.4   | 959.3   | 1221.3  | 1423.3  | 937.1   | 821.6   | 1867.4  | 19966.7 | 40382.0 | 40382.0 |
| 77.5° | 621.7   | 661.7   | 850.5   | 1116.9  | 710.6   | 564.0   | 968.1   | 12672.4 | 28970.9 | 29990.1 |
| 80°   | 275.3   | 299.8   | 548.5   | 810.5   | 539.6   | 364.2   | 548.5   | 6939.1  | 17519.8 | 17304.4 |
| 82.5° | 135.5   | 155.4   | 350.8   | 506.3   | 348.6   | 224.3   | 288.7   | 3299.7  | 5677.8  | 5395.8  |
| 85°   | 26.6    | 35.5    | 188.7   | 215.4   | 162.1   | 99.9    | 108.8   | 1014.8  | 683.9   | 781.6   |
| 87.5° | 0.0     | 0.0     | 57.7    | 40.0    | 17.8    | 22.2    | 22.2    | 91.0    | 53.3    | 62.2    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5915.4  | 0°    | 5915.4  | 5915.4 | 5915.4 | 5915.4 | 5915.4 | 5915.4 | 5915.4 | 5915.4 | 5915.4 | 5915.4 |
| 6015.3  | 2.5°  | 5935.4  | 5853.2 | 5673.4 | 5495.7 | 5313.7 | 5147.1 | 5031.7 | 4916.2 | 4845.1 | 4814.0 |
| 6148.6  | 5°    | 5982.0  | 5815.5 | 5438.0 | 5042.8 | 4651.9 | 4270.0 | 3983.6 | 3714.9 | 3630.5 | 3490.6 |
| 6306.2  | 7.5°  | 6055.3  | 5784.4 | 5189.3 | 4523.2 | 3888.1 | 3328.5 | 2924.4 | 2602.4 | 2473.6 | 2349.3 |
| 6441.7  | 10°   | 6104.2  | 5726.7 | 4860.7 | 3970.3 | 3110.9 | 2482.5 | 2096.2 | 1863.0 | 1778.6 | 1703.1 |
| 6568.2  | 12.5° | 6124.1  | 5620.1 | 4483.2 | 3350.7 | 2420.3 | 1891.9 | 1660.9 | 1552.1 | 1523.3 | 1496.6 |
| 6688.1  | 15°   | 6141.9  | 5515.7 | 4061.3 | 2753.4 | 1911.9 | 1583.2 | 1492.2 | 1456.6 | 1436.7 | 1418.9 |
| 6810.3  | 17.5° | 6157.4  | 5382.5 | 3579.4 | 2238.3 | 1614.3 | 1458.9 | 1414.5 | 1376.7 | 1361.2 | 1341.2 |
| 6985.7  | 20°   | 6210.7  | 5253.7 | 3148.7 | 1847.5 | 1452.2 | 1370.0 | 1321.2 | 1281.2 | 1267.9 | 1254.6 |
| 7234.4  | 22.5° | 6310.7  | 5149.3 | 2731.2 | 1583.2 | 1354.5 | 1279.0 | 1216.8 | 1172.4 | 1163.5 | 1154.7 |
| 7536.4  | 25°   | 6430.6  | 5020.6 | 2338.2 | 1412.2 | 1259.0 | 1174.6 | 1105.8 | 1068.1 | 1059.2 | 1061.4 |
| 7885.0  | 27.5° | 6583.8  | 4878.4 | 2000.7 | 1303.4 | 1174.6 | 1076.9 | 999.2  | 970.4  | 974.8  | 983.7  |
| 8286.9  | 30°   | 6752.5  | 4747.4 | 1736.4 | 1227.9 | 1099.1 | 990.3  | 912.6  | 892.6  | 908.2  | 921.5  |
| 8824.3  | 32.5° | 7003.5  | 4632.0 | 1552.1 | 1168.0 | 1032.5 | 919.3  | 857.1  | 832.7  | 850.5  | 868.2  |
| 9510.4  | 35°   | 7345.4  | 4574.2 | 1447.8 | 1116.9 | 974.8  | 863.8  | 801.6  | 783.8  | 801.6  | 806.0  |
| 10347.5 | 37.5° | 7765.1  | 4569.8 | 1403.4 | 1074.7 | 921.5  | 817.1  | 748.3  | 741.6  | 755.0  | 757.2  |
| 11353.4 | 40°   | 8306.9  | 4598.7 | 1370.0 | 1043.6 | 866.0  | 763.9  | 699.5  | 692.8  | 697.2  | 712.8  |
| 12563.6 | 42.5° | 8993.0  | 4718.6 | 1323.4 | 1003.7 | 806.0  | 710.6  | 659.5  | 643.9  | 641.7  | 659.5  |
| 13918.1 | 45°   | 9854.6  | 4982.8 | 1261.2 | 939.3  | 752.7  | 666.2  | 615.1  | 597.3  | 590.7  | 595.1  |
| 15317.0 | 47.5° | 10793.9 | 5307.0 | 1199.1 | 879.3  | 715.0  | 630.6  | 579.6  | 557.3  | 546.2  | 546.2  |
| 16624.9 | 50°   | 11704.3 | 5673.4 | 1156.9 | 817.1  | 688.4  | 597.3  | 541.8  | 519.6  | 501.8  | 497.4  |
| 17970.5 | 52.5° | 12605.8 | 6033.1 | 1123.6 | 755.0  | 657.3  | 555.1  | 506.3  | 481.8  | 461.9  | 453.0  |
| 19302.8 | 55°   | 13427.4 | 6375.1 | 1065.8 | 695.0  | 617.3  | 510.7  | 470.7  | 446.3  | 421.9  | 406.4  |
| 20652.9 | 57.5° | 14215.6 | 6659.3 | 959.3  | 632.8  | 555.1  | 468.5  | 433.0  | 406.4  | 377.5  | 357.5  |
| 22018.5 | 60°   | 14932.9 | 6805.8 | 826.0  | 566.2  | 493.0  | 424.1  | 390.8  | 366.4  | 328.6  | 295.3  |
| 23361.9 | 62.5° | 15479.1 | 6748.1 | 681.7  | 490.7  | 428.6  | 384.1  | 342.0  | 317.5  | 273.1  | 233.2  |
| 24971.8 | 65°   | 16038.7 | 6432.8 | 544.0  | 410.8  | 375.3  | 330.9  | 286.4  | 262.0  | 210.9  | 168.8  |
| 27150.1 | 67.5° | 16764.8 | 5760.0 | 428.6  | 342.0  | 324.2  | 262.0  | 224.3  | 208.7  | 173.2  | 133.2  |
| 29488.3 | 70°   | 17231.1 | 4474.3 | 333.1  | 277.6  | 266.5  | 191.0  | 173.2  | 171.0  | 137.7  | 102.1  |
| 29330.6 | 72.5° | 15952.1 | 2933.3 | 255.4  | 210.9  | 191.0  | 124.3  | 133.2  | 133.2  | 99.9   | 68.8   |
| 25711.2 | 75°   | 13316.3 | 1716.4 | 184.3  | 151.0  | 108.8  | 79.9   | 91.0   | 91.0   | 62.2   | 33.3   |
| 18325.8 | 77.5° | 9510.4  | 914.8  | 122.1  | 93.3   | 55.5   | 35.5   | 48.9   | 46.6   | 20.0   | 2.2    |
| 7183.3  | 80°   | 3637.2  | 315.3  | 57.7   | 37.7   | 15.5   | 6.7    | 4.4    | 2.2    | 2.2    | 0.0    |
| 1121.4  | 82.5° | 555.1   | 82.2   | 11.1   | 8.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 237.6   | 85°   | 99.9    | 11.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.2    | 87.5° | 22.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 5915.4 |
| 4818.5 |
| 3499.5 |
| 2347.1 |
| 1700.9 |
| 1496.6 |
| 1418.9 |
| 1341.2 |
| 1256.8 |
| 1148.0 |
| 1057.0 |
| 979.2  |
| 917.1  |
| 863.8  |
| 803.8  |
| 752.7  |
| 710.6  |
| 657.3  |
| 601.8  |
| 546.2  |
| 495.2  |
| 448.5  |
| 399.7  |
| 348.6  |
| 286.4  |
| 217.6  |
| 157.7  |
| 124.3  |
| 91.0   |
| 60.0   |
| 26.6   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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